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## Types and properties of Bonded NdFeB magnets

Our company holds ISO14001, ISO90001, IATF16949, QC080000, ISO 45001 certificates.

Bonded NdFeB Magnets ①		Max. energy product		Residual Induction		Coercivity		Intrinsic Coercivity		Max. operating temp. ②
type of process	Grade	(BH)max.	(BH)max.	Br.	Br.	Hcb	Hcb	Hcj	Hcj	MT <sub>c</sub>
		[kJ/m <sup>3</sup> ]	[MGOe]	[mT]	[kGs]	[kA/m]	[kOe]	[kA/m]	[kOe]	[°C]
compression moulding NdFeB magnets	BCMN-2	24~32	3.0~4.0	400~500	4.0~5.0	240~320	3.0~4.0	480~640	6.0~8.0	160
	BCMN-4	32~40	4.0~5.0	450~550	4.5~5.5	240~320	3.0~4.0	480~640	6.0~8.0	160
	BCMN-6	48~56	6.0~7.0	550~650	5.5~6.5	320~400	4.0~5.0	520~680	6.5~8.5	160
	BCMN-7	56~64	7.0~8.0	600~700	6.0~7.0	320~400	4.0~5.0	520~680	6.5~8.5	160
	BCMN-8	64~72	8.0~9.0	600~700	6.0~7.0	400~480	5.0~6.0	640~800	8.0~10.0	160
	BCMN-8H	64~72	8.0~9.0	600~700	6.0~7.0	400~480	5.0~6.0	880~1040	11.0~13.0	160
	BCMN-9	68~76	8.5~9.5	620~720	6.2~7.2	400~480	5.0~6.0	640~800	8.0~10.0	160
	BCMN-9H	64~72	8.0~9.0	650~730	6.5~7.3	400~480	5.0~6.0	640~800	8.0~10.0	160
	BCMN-10	72~80	9.0~10.0	670~750	6.7~7.5	416~496	5.2~6.2	640~800	8.0~10.0	160
	BCMN-10H	72~80	9.0~10.0	670~750	6.7~7.5	416~496	5.2~6.2	640~800	9.0~10.5	160
	BCMN-12	76~88	9.5~11.0	680~770	6.8~7.7	440~520	5.5~6.5	720~880	9.0~11.0	160
BCMN-13	80~96	10.0~12.0	700~800	7.0~8.0	400~560	5.0~7.0	640~800	8.0~10.0	160	

Injection NdFeB magnets	BIN-2+PPS	12~20	1.5~2.5	260~350	2.6~3.5	160~240	2.0~4.0	400~560	5.0~7.0	<180
	BIN-4+PPS	28~36	3.5~4.5	300~550	3.0~5.5	240~400	3.0~5.0	440~600	5.5~7.5	<180
	BIN-5+PPS	36~44	4.5~5.5	450~550	4.5~5.5	280~440	3.5~5.5	640~800	8.0~10.0	<180
	BIN-5+PPS	36~44	4.5~5.5	450~550	4.5~5.5	280~440	3.5~5.5	800~960	10.0~12.0	<180
	BIN-6+PPS	44~52	5.5~6.5	450~600	4.5~6.0	280~440	3.5~5.5	640~800	8.0~10.0	<180
	BIN-2+Nylon12	12~28	1.5~3.5	250~390	2.5~3.9	168~248	2.1~3.1	240~400	3.0~5.0	<120
	BIN-4+Nylon12	28~44	3.5~5.5	390~510	3.9~5.1	248~320	3.1~4.0	400~560	5.0~7.0	<120
	BIN-6+Nylon12	44~56	5.5~7.0	510~600	5.1~6.0	320~384	4.0~4.8	640~800	8.0~10.0	<120
	BIN-8+Nylon12	56~68	7.0~8.5	600~680	6.0~6.8	384~432	4.8~5.4	640~800	8.0~10.0	<120

① Further qualities or grade on low thermal coefficient magnets, please contact us for more details.

② The maximum operating temperature depends on the magnet's dimensions and its final applications. We recommend keeping a margin of safety in materials selection.

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PRODUCTION AND DISTRIBUTION OF PERMANENT MAGNETS  
AND PRECISION ASSEMBLIES

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